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Atty. Docket No. 1510-1011

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Antoni BANAS et al.

Confirmation No. 4182

Serial No. 09/709,457

GROUP 1638

Filed November 13, 2000

Examiner R. Kallis

USE OF CLASS ENZYMES AND THEIR
ENCODING GENES TO INCREASE THE
OIL CONTENT IN TRANSGENIC
ORGANISMS

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Responsive to the Official Action of December 2, 2002,
please amend the above-identified application as follows.

IN THE CLAIMS:

CANCEL Claims 1-9.

Add the following new claims.

--16. (new) A method for increasing the oil content of
an oil-producing plant, comprising:

transforming said plant with a nucleotide sequence so
that said organism expresses an enzyme that catalyzes the
transfer of a fatty acid from acyl-CoA to diacylglycerol for the
production of triacylglycerol (TAG), and wherein said enzyme
comprises SEQ ID NO. 2.

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